

2.1.8 2030 Residential Energy End-Use Splits, by Fuel Type (Quadrillion Btu)

| | Natural | Fuel | Other | | Renw. | Site | Site | | Primary | Primary | |
|-------------------|-------------|-------------|-------------|----------------|---------------|-----------------|--------------|----------------|---------------------|--------------|----------------|
| | <u>Gas</u> | <u>Oil</u> | <u>LPG</u> | <u>Fuel(1)</u> | <u>En.(2)</u> | <u>Electric</u> | <u>Total</u> | <u>Percent</u> | <u>Electric (3)</u> | <u>Total</u> | <u>Percent</u> |
| Space Heating (4) | 3.88 | 0.59 | 0.23 | 0.09 | 0.39 | 0.41 | 5.59 | 43.2% | 1.26 | 6.44 | 25.7% |
| Space Cooling | 0.00 | | | | | 1.04 | 1.04 | 8.0% | 3.19 | 3.19 | 12.7% |
| Water Heating | 1.09 | 0.07 | 0.04 | | 0.05 | 0.43 | 1.68 | 13.0% | 1.31 | 2.56 | 10.2% |
| Electronics (5) | | | | | | 0.55 | 0.55 | 4.3% | 1.69 | 1.69 | 6.8% |
| Refrigeration (6) | | | | | | 0.50 | 0.50 | 3.9% | 1.54 | 1.54 | 6.1% |
| Lighting | | | | | | 0.49 | 0.49 | 3.8% | 1.49 | 1.49 | 5.9% |
| Wet Clean (7) | 0.08 | | | | | 0.43 | 0.51 | 4.0% | 1.31 | 1.40 | 5.6% |
| Cooking | 0.26 | | 0.03 | | | 0.14 | 0.43 | 3.4% | 0.43 | 0.72 | 2.9% |
| Computers | | | | | | 0.16 | 0.16 | 1.2% | 0.48 | 0.48 | 1.9% |
| Other (8) | 0.00 | | 0.25 | | 0.01 | 1.73 | 1.98 | 15.3% | 5.30 | 5.56 | 22.2% |
| Total | 5.32 | 0.65 | 0.55 | 0.09 | 0.44 | 5.88 | 12.94 | 100% | 18.01 | 25.08 | 100% |

Note(s): 1) Kerosene (0.08 quad) and coal (0.01 quad) are assumed attributable to space heating. 2) Comprised of wood space heating (0.38 quad), solar water heating (0.05 quad), geothermal space heating (0.01 quad), and solar PV (0.01 quad). 3) Site -to-source electricity conversion (due to generation and transmission losses) = 3.07. 4) Includes furnace fans (0.24 quad). 5) Includes color television (1.69 quad). 6) Includes refrigerators (1.20 quad) and freezers (0.34 quad). 7) Includes clothes washers (0.08 quad), natural gas clothes dryers (0.08 quad), electric clothes dryers (0.90 quad), and dishwashers (0.33 quad). Does not include water heating energy. 8) Includes small electric devices, heating elements, motors, swimming pool heaters, hot tub heaters, outdoor grills, and natural gas outdoor lighting.

Source(s): EIA, Annual Energy Outlook 2008, Mar. 2008, Tables A2, p. 117-119, Table A4, p. 122-123 and Table A17, p. 143-144.